IN THE SPECIFICATION:

Please amend the title to read as follows:

--A ~~DATA~~ COMMUNICATION SYSTEM, ~~DATA~~ METHOD FOR A

COMMUNICATION ~~METHOD~~ SYSTEM ~~DATA COMMUNICATION APPARATUS AND~~

~~DIGIT INTERFACE~~ AND CONTROLLER FOR A COMMUNICATION SYSTEM--.

Please replace page 1, lines 6-13 with the following amended paragraph:

-- The present invention relates to a ~~data communication system, a data~~

~~communication method, a data communication apparatus and a digital interface and, more~~

~~particularly, it relates to a network in which communication is effected at a high speed while~~

~~mixing information data (including image data) and command data, and a communication~~

~~protocol applicable to such a network~~ communication system including a source node, one or

more destination nodes and a controller. --

Please replace page 7, line 6 through page 12, line 28 with the following amended

paragraphs:

-- As a preferred embodiment for such objects, the present invention discloses a

~~data communication system comprising a controller for setting a logical connection relationship~~

~~different from that set by other controller, between a source node and one or more destination~~

~~nodes, a source node for transferring object data divided into one or more segments in an~~

~~asynchronous transferring by using the logical connection relationship, and one or more~~

destination nodes for receiving the object data transferred from the source node in the asynchronous transferring.

As another embodiment, the present invention discloses a data communication system comprising a controller for setting a logical connection relationship different from that set by other controller, between a source node and one or more destination nodes, a source node for broadcasting object data divided into one or more segments by using the logical connection relationship, and one or more destination nodes for receiving the object data broadcasted from the source node.

As a further embodiment, the present invention discloses a data communication system comprising a controller for setting new logical connection relationships between a source node and one or more destination nodes, a source node for transferring object data divided into one or more segments in an asynchronous transferring by using one of the logical connection relationships, and one or more destination nodes for discriminating the logical connection relationship and for receiving the object data.

As a still further embodiment, the present invention discloses a data communication system comprising a controller for setting new logical connection relationships between a source node and one or more destination nodes, a source node for broadcasting object data divided into one or more segments by using one of the logical connection relationships, and one or more destination nodes for discriminating the logical connection relationship and for receiving the object data.

As a further embodiment, the present invention discloses a data communication system comprising a source node for successively transferring object data divided into one or more segments in an asynchronous transferring by using one of a plurality of logical connection

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relationships set between a plurality of nodes, and one or more destination nodes for discriminating one of the plurality of logical connection relationships and for receiving the object data.

As a still further embodiment, the present invention discloses a data communication system comprising a source node for successively broadcasting object data divided into one or more segments by using one of a plurality of logical connection relationships set between a plurality of nodes, and one or more destination nodes for discriminating one of the plurality of logical connection relationships and for receiving the object data.

As a further embodiment, the present invention discloses a data communication method comprising steps of setting a logical connection relationship different from that set by other controller, between a source node and one or more destination nodes, transferring object data divided into one or more segments in an asynchronous transferring by using the logical connection relationship, and receiving the object data transferred in the asynchronous transferring.

As a still further embodiment, the present invention discloses a data communication method comprising steps of setting a logical connection relationship different from that set by other controller, between a source node and one or more destination nodes, broadcasting object data divided into, one or more segments by using the logical connection relationship, and receiving the object data broadcasted.

As a further embodiment, the present invention discloses a data communication method comprising steps of setting new logical connection relationships between a source node and one or more destination nodes, transferring object data divided into one or more segments in

an asynchronous transferring by using one of the logical connection relationships, and discriminating the logical connection relationship and receiving the object data.

As a still further embodiment, the present invention discloses a data communication method comprising steps of setting new logical connection relationships between a source node and one or more destination nodes, broadcasting object data divided into one or more segments by using one of the logical connection relationships, and discriminating the logical connection relationship and receiving the object data.

As a further embodiment, the present invention discloses a data communication method comprising steps of successively transferring object data divided into one or more segments in an asynchrnous manner by using one of a plurality of logical connection relationships set between a plurality of nodes, and discriminating one of the plurality of logical connection relationships and receiving the object data.

As a still further embodiment, the present invention discloses a data communication method comprising steps of successively broadcasting object data divided into one or more segments by using one of a plurality of logical connection relationships set between a plurality of nodes, and discriminating one of the plurality of logical connection relationships and receiving the object data.

As a further embodiment, the present invention discloses a data communication method comprising steps of setting a logical connection relationship different from that set by other controller, between a source node and one or more destination nodes, and informing the source node and one or more destination nodes of the logical connection relationship.

As a still further embodiment, the present invention discloses a data communication method comprising steps of discriminating a plurality of logical connection

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~~relationships set between one or more destination nodes, and transferring object data divided into one or more segments in an asynchronous transferring by using one of the theoretical connection relations.~~

~~As a further embodiment, the present invention discloses a data communication method comprising steps of discriminating a plurality of logical connection relationships set between source nodes, and receiving object data transferred from the source node in an asynchronous transferring and divided into one or more segments by using one of the logical connection relationships.~~

~~As a still further embodiment, the present invention discloses a data communication apparatus comprising a unit for setting a logical connection relationship different from that set by other controller, between a source node and one or more destination nodes, and a unit for informing the source node and one or more destination nodes of the logical connection relationship.~~

~~As a further embodiment, the present invention discloses a data communication apparatus comprising a unit for discriminating a plurality of logical connection relationships set between one or more destination nodes, and a unit for transferring object data divided into one or more segments in an asynchronous transferring by using one of the logical connection relationships.~~

~~As the other embodiment, the present invention discloses a data communication apparatus comprising a unit for discriminating a plurality of logical connection relationships set between source nodes, and a unit for receiving object data transferred from the source node in an asynchrnous manner and divided into one or more segments by using one of the logical connection relationships.~~communication system including a source node; one or more

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destination nodes; and a controller adapted to set a logical connection between the source node and the one or more destination nodes. The the controller is adapted to notify the source node and the one or more destination nodes of first information representing the logical connection and second information that is unique to the controller, and the source node is adapted to divide data to be transmitted to the one or more destination nodes into a plurality of segment data, and transfer each of the segment data with the first and second information obtained from the controller to the one or more destination nodes. In addition, each of the one or more destination nodes includes a receiving buffer, and is adapted to store each segment data in the receiving buffer.

As another embodiment, the present invention discloses a method for a communication system that includes a source node, one or more destination nodes, and a controller. The method includes the steps of setting a logical connection between the source node and one or more destination nodes; notifying the source node and the one or more destination nodes of first information representing the logical connection and second information that is unique to the controller; and dividing data to be transmitted to the one or more destination nodes into a plurality of segment data. The method also includes the steps of transferring each of the segment data with the first and second information obtained from the controller from the source node to the one or more destination nodes and storing each of the segment data in a receiving buffer of each of the one or more destination nodes.

As a further embodiment, the present invention discloses a controller including a control unit adapted to set a logical connection between a source node and one or more destination nodes, wherein the controller is adapted to notify the source node and one or more destination nodes of first information representing the logical connection and second information

that is unique to the controller. The source node is adapted to divide data to be transmitted to the one or more destination nodes into a plurality of segment data, and transfer each of the segment data with the first and second information obtained from the controller to the one or more destination nodes and each of the one or more destination nodes includes a receiving buffer and is adapted to store each of the segment data in the receiving buffer. --